

in 18 out of the 21 l- and b-ACBPs and are highlighted by black boxes. Conserved class 2 residues are hydrophobic residues (either M/L/H/P/A/F/Y/V/I) in all l- and b-ACBP sequences and in at least 27 out of all 30 sequences and are highlighted by grey boxes. Cysteines are in white text in grey boxes. Yeast(1) is from *Saccharomyces cerevisiae* and Yeast(2) from *Saccharomyces monoasensis* and from *Saccharomyces pastoranis* (identical).--

Please replace Table 1 beginning at line 18 of page 48 with the following rewritten Table 1:

09567108-02000E

--Table 1 Primers used for site directed mutagenesis of bovine ACBP

Mutation	Sequence
<u>M24C</u>	
Upsteam	5'- <u>TGCTT</u> GTTCATCTACTCTCACTACAAG (SEQ ID NO:31)
Downstream	5'-TTCTTCGTCGGCCGGCTTGGTCTTC (SEQ ID NO:32)
<u>M46C</u>	
Upsteam	5'- <u>TGCTT</u> GGACTTCAAGGGTAAGGCTAAG (SEQ ID NO:33)
Downstream	5'-CCCGGGTCTTTCGGTGTTGATGTC (SEQ ID NO:34)
<u>A53C</u>	
Upsteam	5'- <u>TGCA</u> AGTGGGACGCTTGAACGAATTG (SEQ ID NO:35)
Downstream	5'-CTTACCCTTGAAGTCCAACATCCC (SEQ ID NO:36)

--

Please replace the paragraph beginning at line 13 of page 57 with the following rewritten paragraph:

--Recombinant *E. coli* fatty acyl-CoA synthetase was expressed as a N-terminal GST-fusion protein. The open reading frame of the *E. coli* fatty acyl-CoA synthetase was amplified using the pN3576 plasmid as template (Black et al., 1997) and specific oligonucleotides 5'-CACGGATCCATGAAGAAGGTTTGGCTTAACC-3' (SEQ ID NO:37) and 5'-CACGAATTCTCAGGCTTTATTGTCCACTTTG-3' (SEQ ID NO:38), carrying either a *Bam*H1 and *Eco*R1 restriction site (underlined),

respectively. The Expand High Fidelity PCR System was used as described by the manufacturer (Roche). The PCR product was digested with *EcoR*I and *Bam*H1 and ligated into the pGEX-2TK vector (Pharmacia) using standard techniques. The recombinant GST-fusion protein was expressed in *E. coli* BL21(DE3) strain and purified essentially as described by the manufacturer (Pharmacia), except that CoA (10 mM) was included in all buffers including the elution buffer.--

IN THE SEQUENCE LISTING

Please substitute the attached Sequence Listing, numbered as pages      for the Sequence Listing previously submitted.

05957108-020602